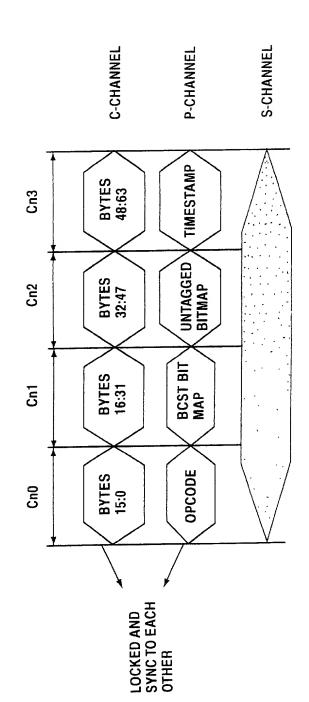


Fig.3



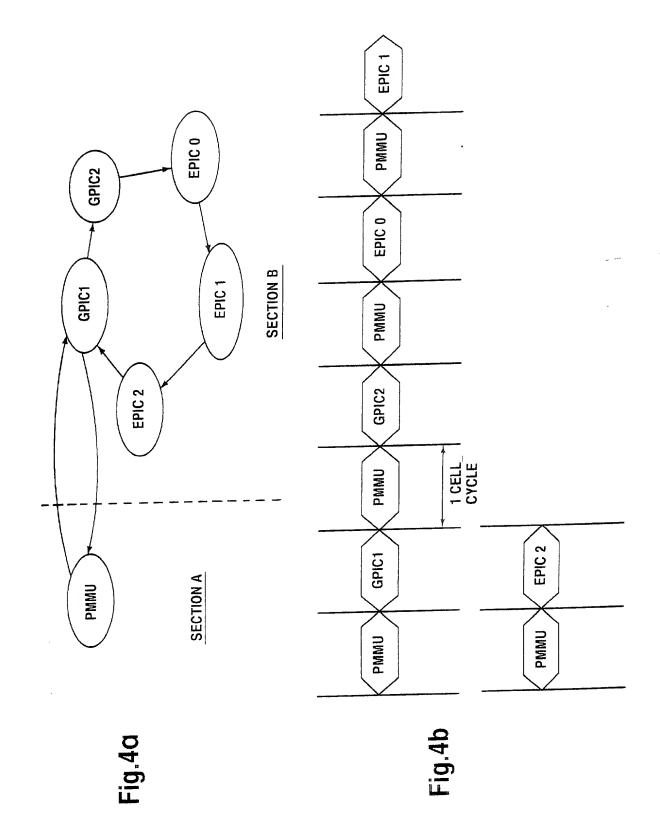


Fig.5

PROTOCOL CHANNEL MESSAGES

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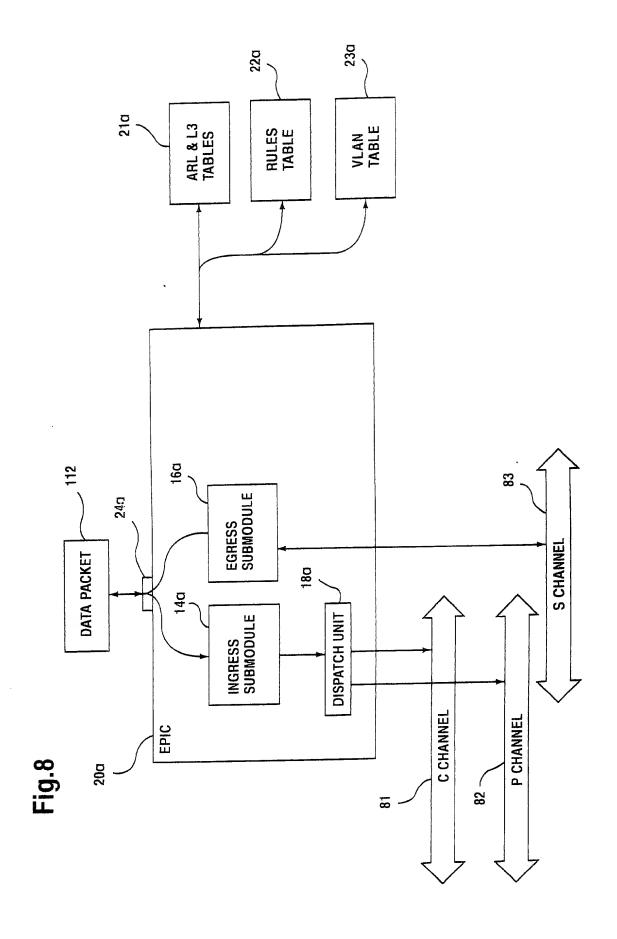
Fig.6

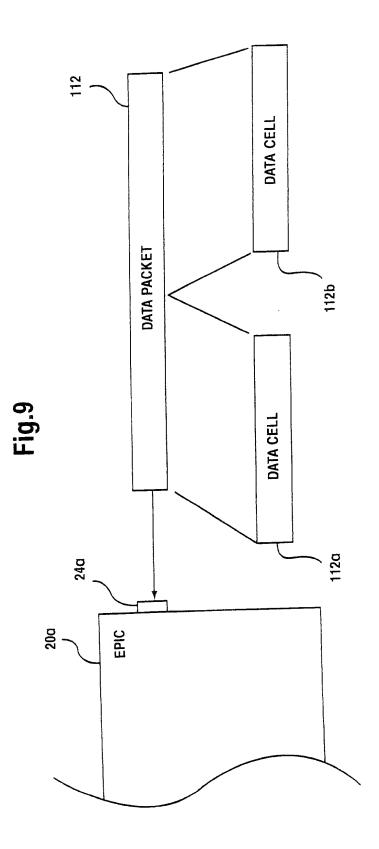
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24 22 20	DEST PORT/ DESTINATION DEV ID			
30 28 26	OPCODE	The second secon		

Fig.7
PRIOR ART

LAYER SEVEN- APPLICATION	
LAYER SIX PRESENTATION	
LAYER FIVE- SESSION	
LAYER FOUR- TRANSPORT	
LAYER THREE- NETWORK	
LAYER TWO- DATA LINK	
LAYER ONE- PHYSICAL	





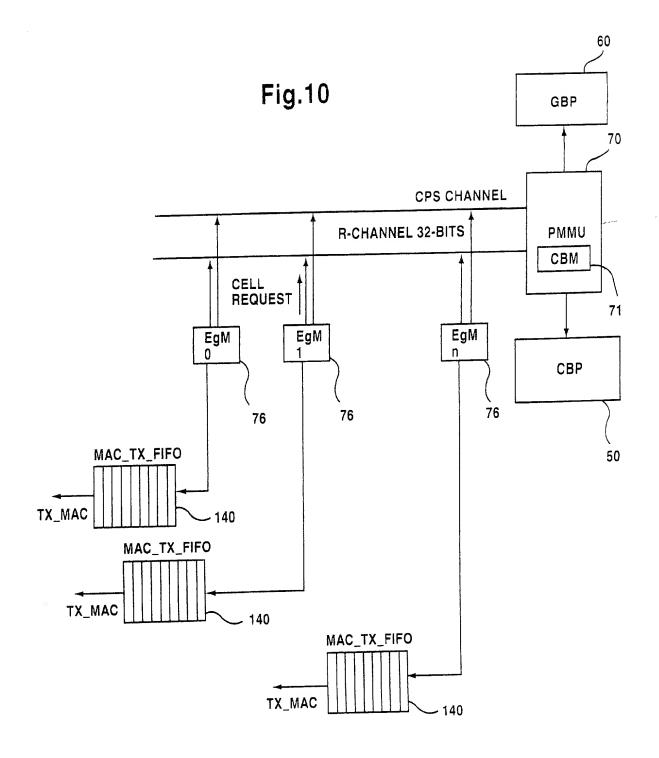


Fig.11

	— т		
FCILC BC/MC CPY_CNT(5b) CELL_LENGTH (7b) CRC (2b) NC_HEADER (16b) SRC COUNT(6) IPX IP TIME_STAMP (14b) O BITS(2b) P NEXT CELL LEN (2b) CPU OPCODE (4b) CELL_DATA (0-9B)	CELL_DATA (10-27) BYTES	CELL_DATA (28-45) BYTES	CELL_DATA (46-63) BYTES
LINE 0 ——	LINE 1	LINE 2	LINE 3
Ē	15		5

Fig.12

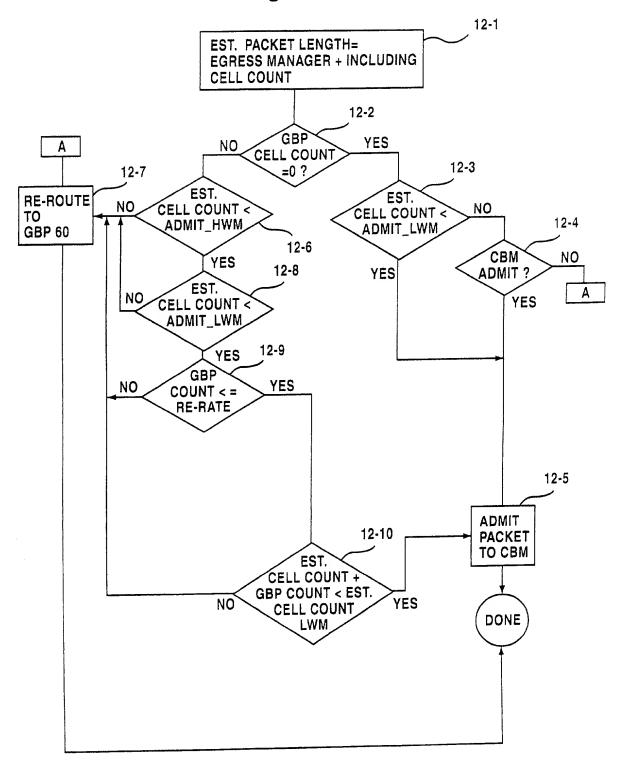
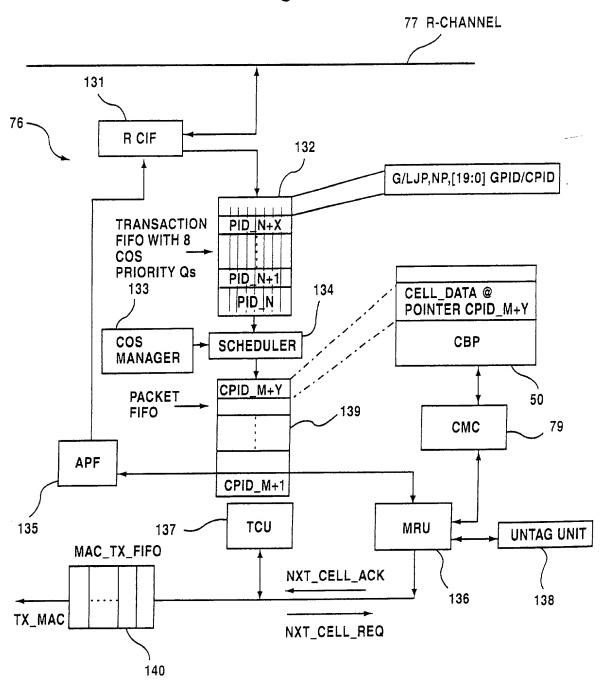


Fig.13



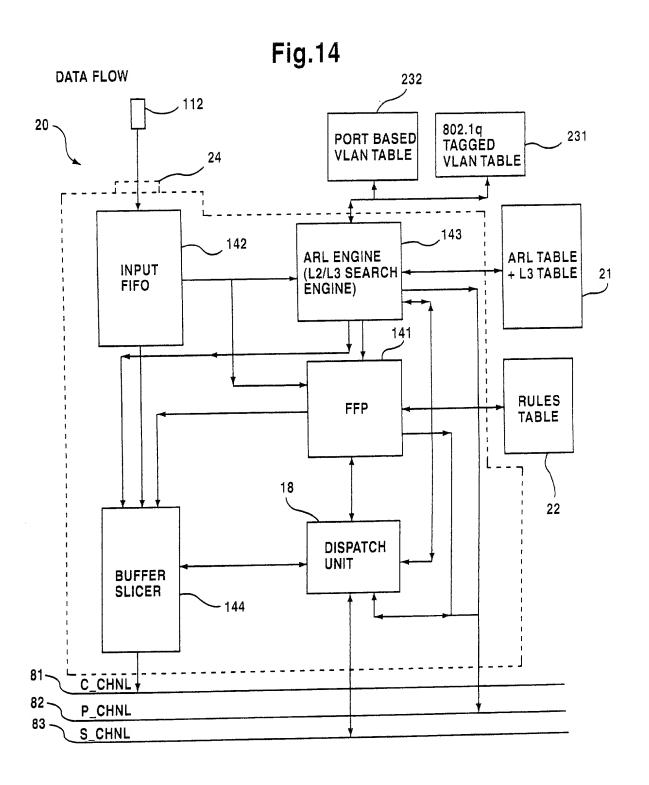
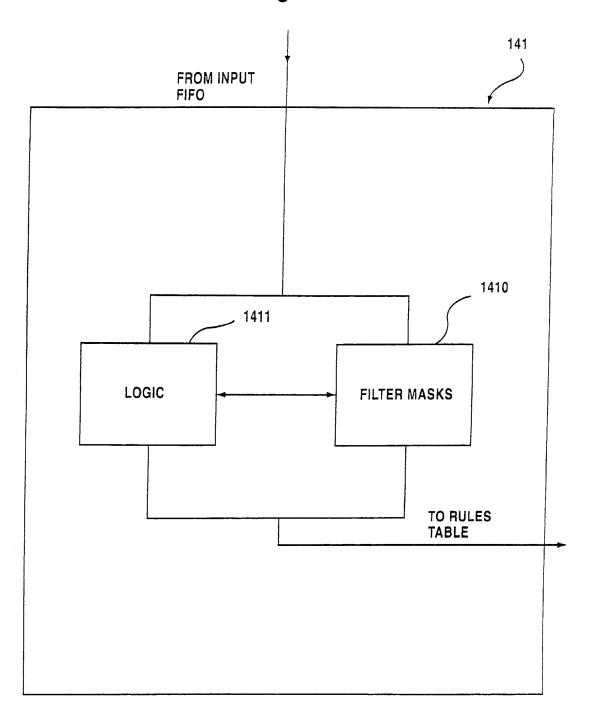


Fig.15



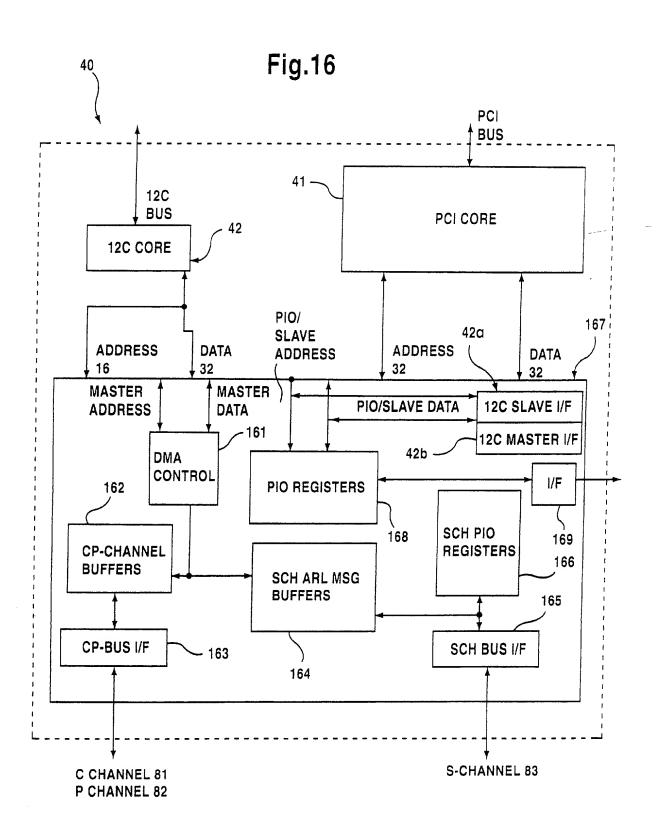


Fig.17

FFP PROGRAMMING FLOW CHART

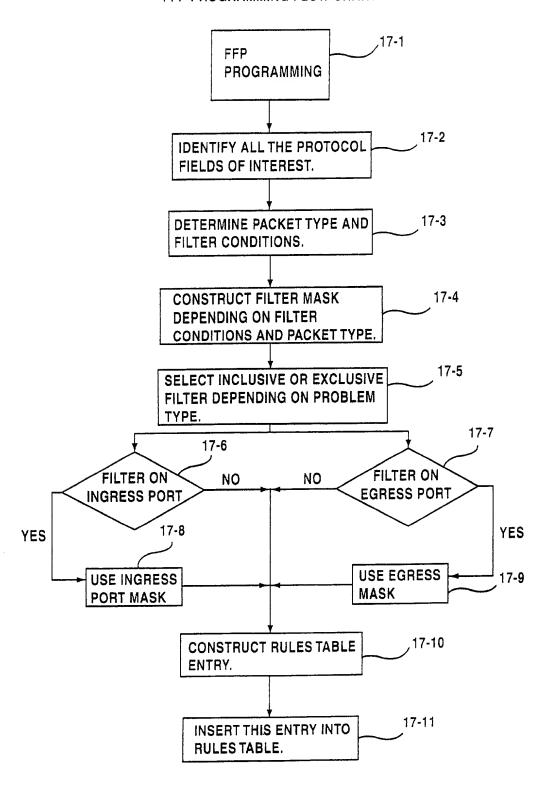


Fig.18

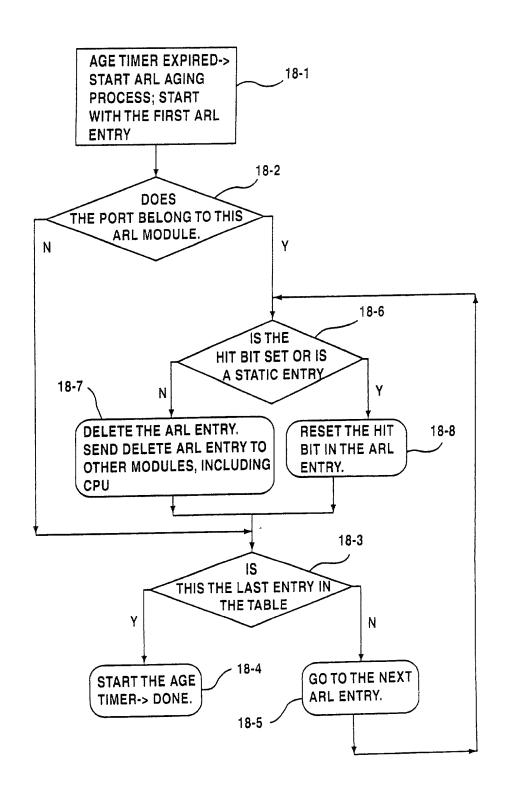
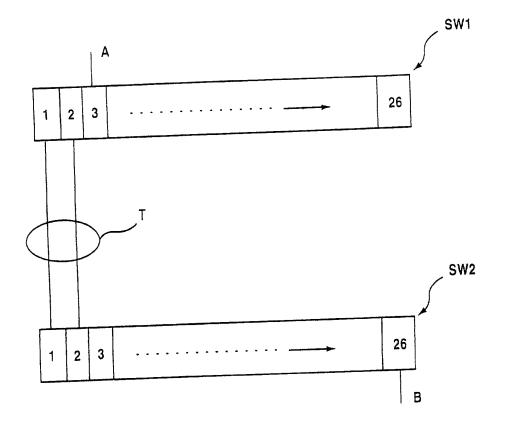
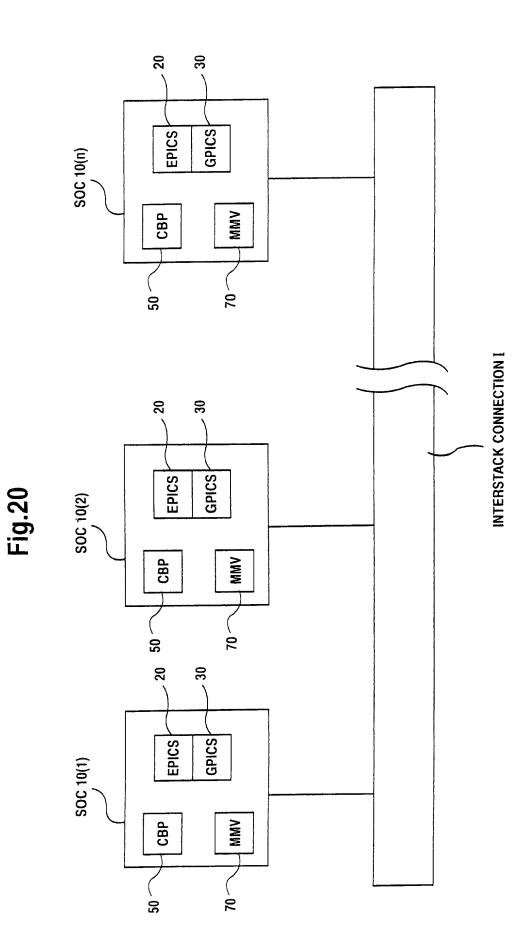


Fig.19





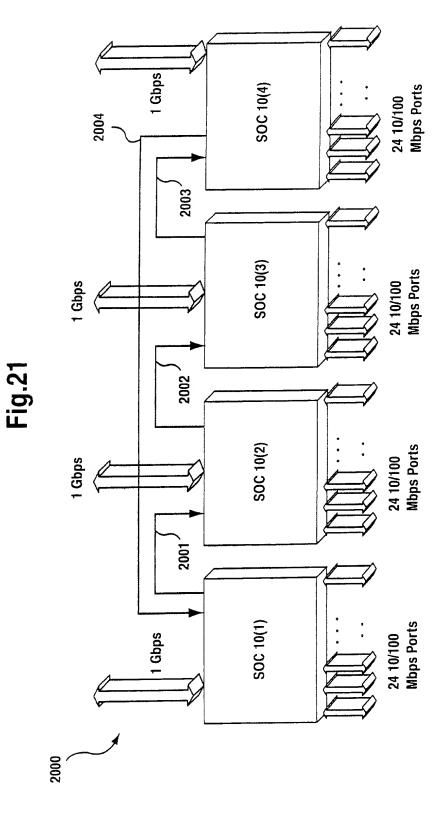


Fig.22

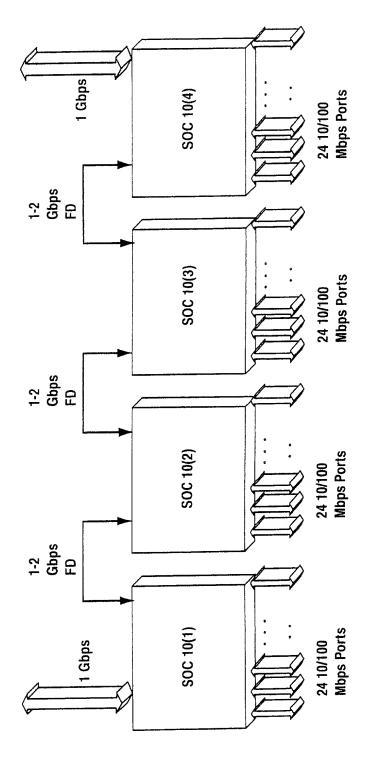


Fig.23

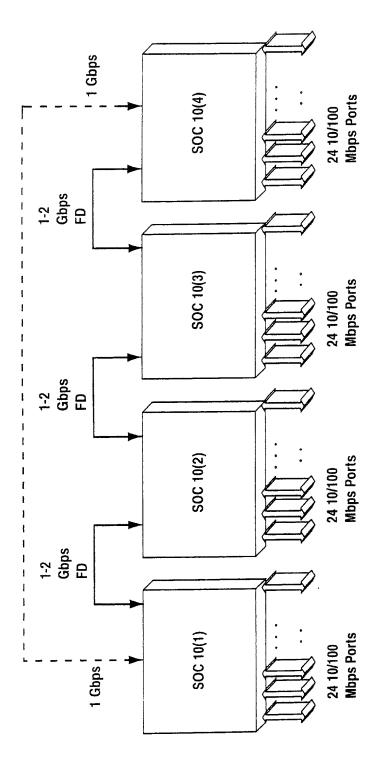


Fig.24A

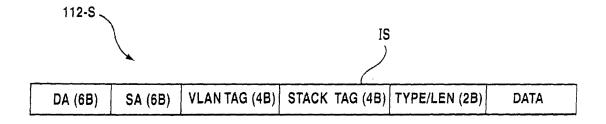


Fig.24B

IS

STACK	T		RTAG	T	TGID	DST RTAG	PFM (2b)	M (1b)	MD (1b)	Res (9)
(5b)	(1b)	(3b)	(3b)	(1b)	(3b)	(3b)				

Fig.25

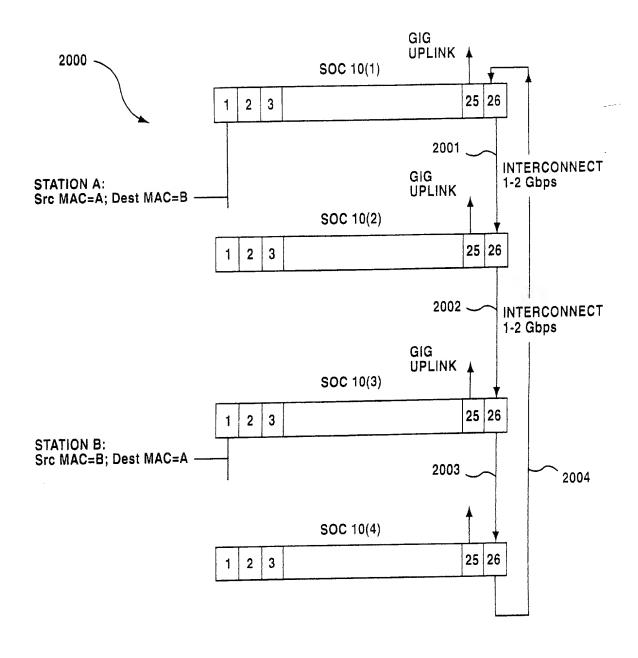


Fig.26

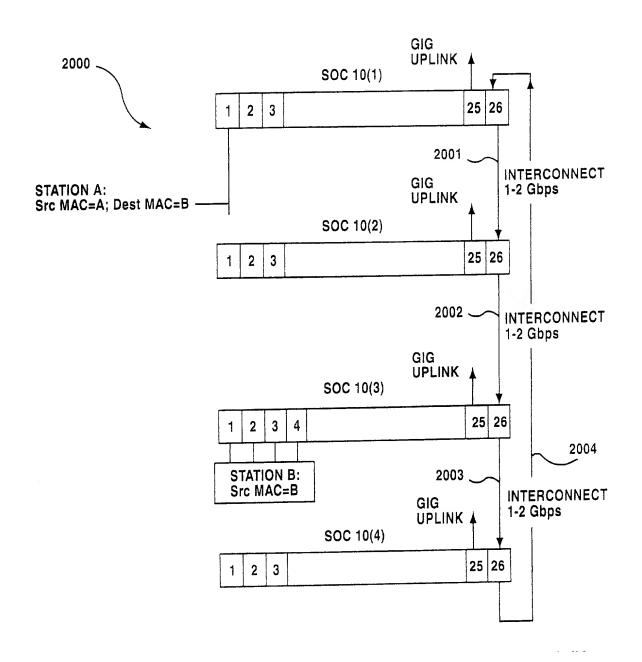


Fig.27A

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
1	Α	1	0	X	Χ
26	В	1	1	2	2

Fig.27B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	Α	1	0	X	X
26	В	1	1	2	2
26	D	<u> </u>	<u> </u>		l

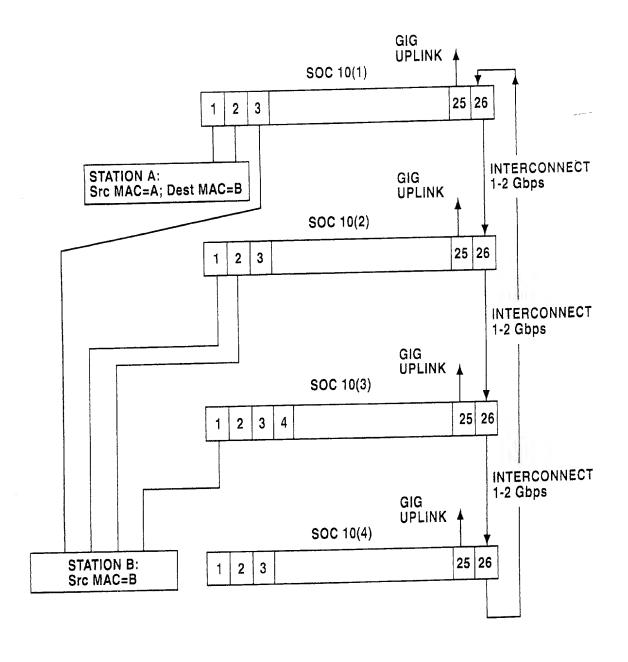
Fig.27C

PORT MAC NUMBER ADDRESS		VLAN ID T		TGID	RTAG	
26	Α	1	0	Х	X	
1	В	1	1	2	2	

Fig.27D

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
26	A	1	0	X	X
<u> </u>	B	1	1	2	2
26	<u> </u>	<u> </u>	L		

Fig.28



GIG PORT SOC 10(4) LOCAL CPU FE PORTS INTERCONNECT 1-2 Gbps 52(3) SOC 10(3) LOCAL 0 INTERCONNECT 1-2 Gbps 52(2) SOC 10(2) LOCAL CPU FE PORTS 2004 INTERCONNECT 1-2 Gbps 52(1) CENTRAL SOC 10(1) GIG PORT 2000 -

Fig.29A

FIG.29B

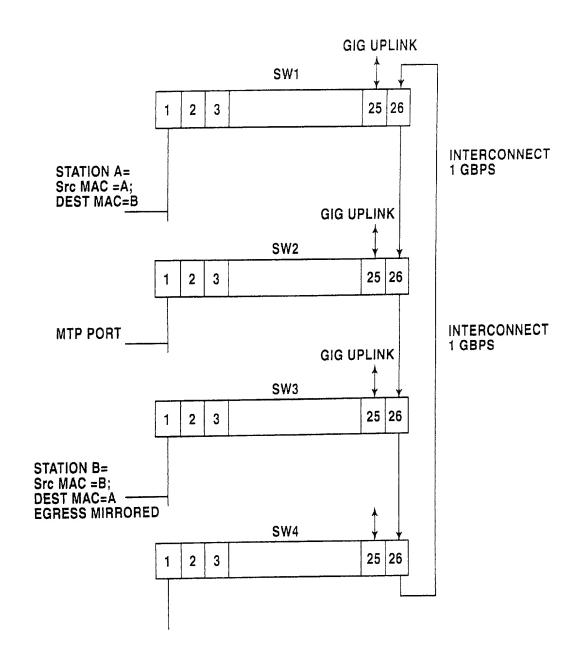


FIG.29C

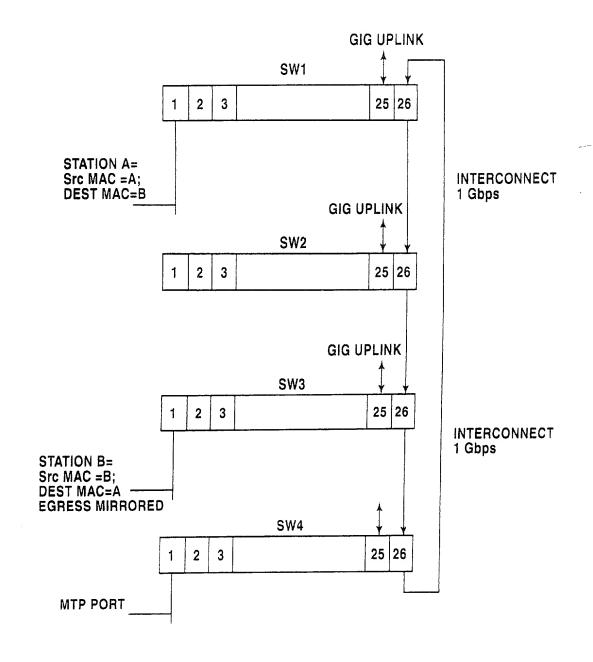


FIG.29D

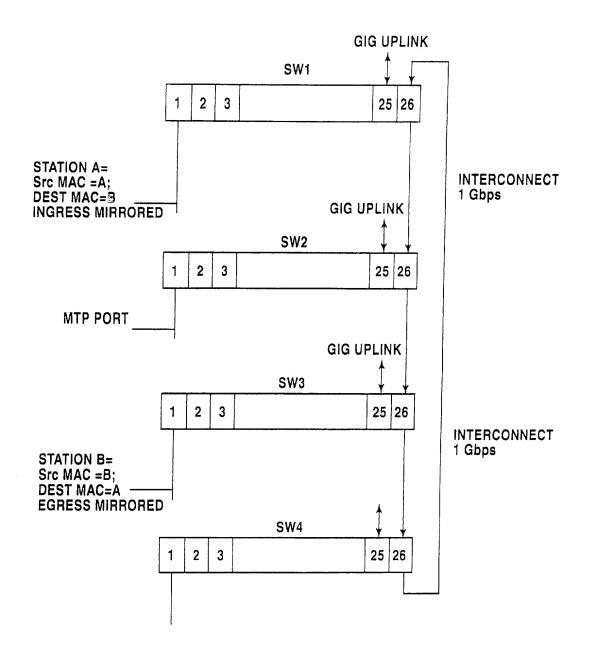


FIG.29E

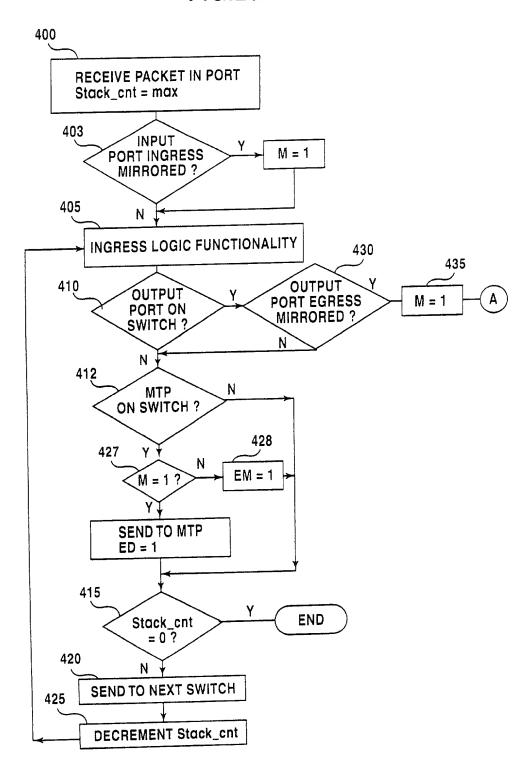
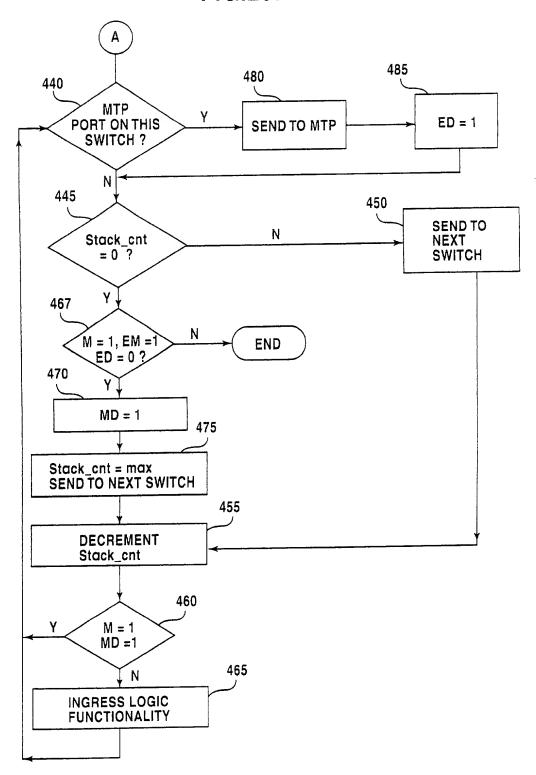


FIG.29F



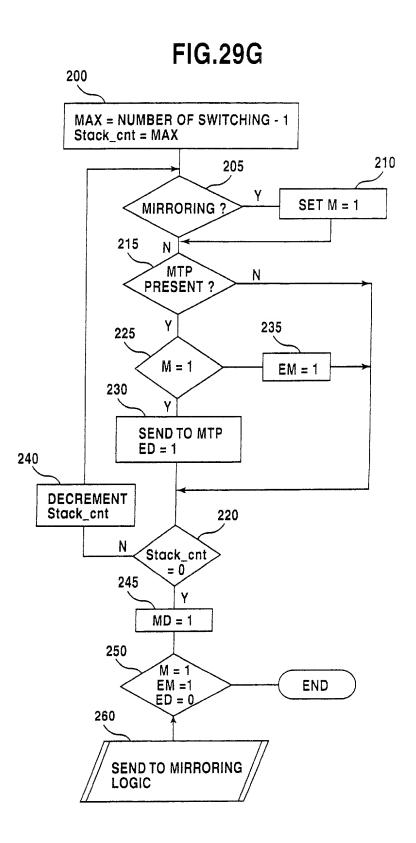


FIG.29H

1	5	23	24	25	26	32
Stack_cnt		М	MD	EM	ED	

Fig.30

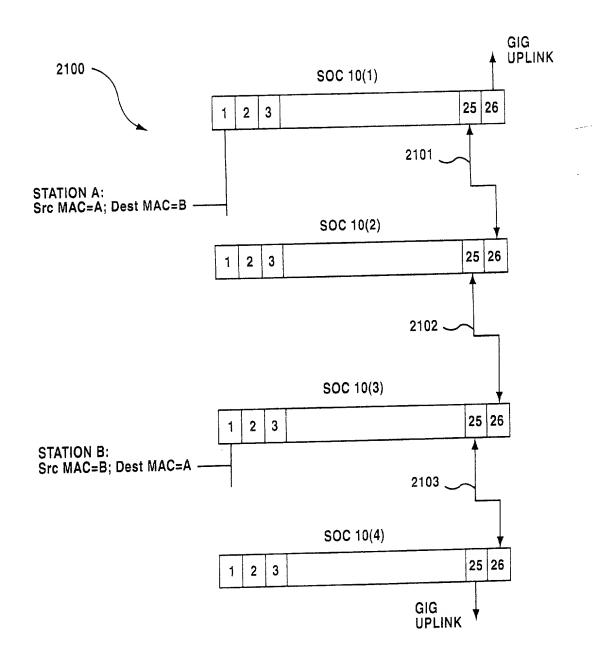


Fig.31

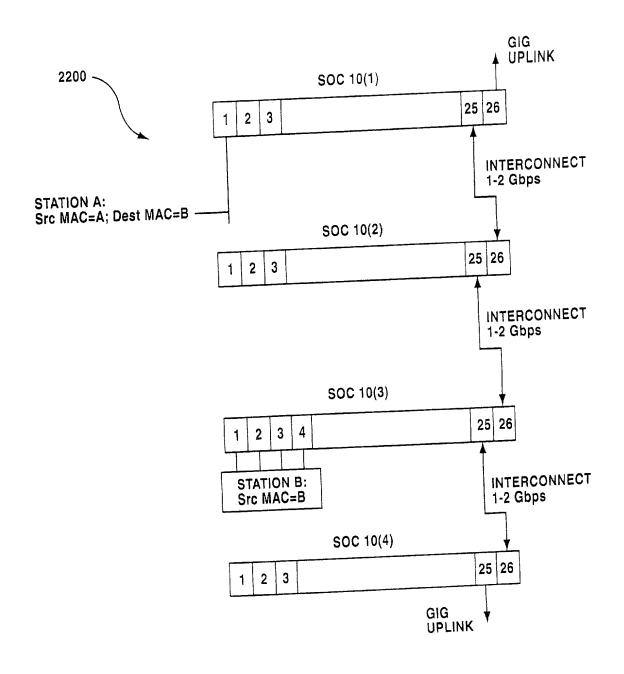


Fig.32A

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
1	Α	1	0	X	Х
25	В	1	1	2	2

Fig.32B

C VLANID) T	TGID	RTAG	
1	0	X	Х	
1	1	2	2	
	1	1 0	1 0 X	

Fig.32C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG	
26	Α	1	0 X		X	
1	В	1	1	2	2	

Fig.32D

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
26	Α	1	0	X	X

Fig.33

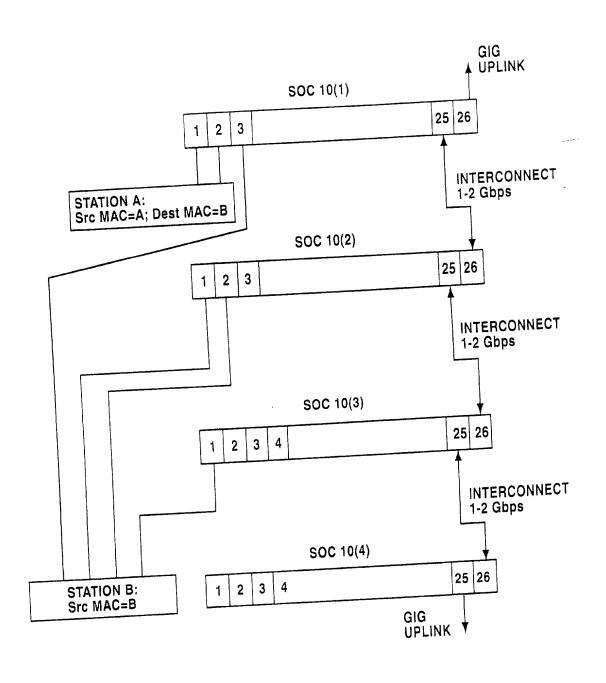


Fig.34A

		1// 41/ 10	T	TGID	RTAG
PORT NUMBER	MAC ADDRESS	VLAN ID		1015	
1	A	1	1	1	1
25	B	1	1	2	2
25		<u> </u>		1	

Fig.34B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG	
26	Α	1	1	1	1	
25	_		1	2	2	

Fig.34C

PORT NUMBER	MAC ADDRESS	VLAN ID T		TGID	RTAG	
26	Α	1	1	1	1	
1	1 B		1	2	2	

Fig.34D

		VLAN ID	т	TGID	RTAG
PORT NUMBER	MAC ADDRESS	VLANID			
26	Α	1	1	1	1
					

Fig.35

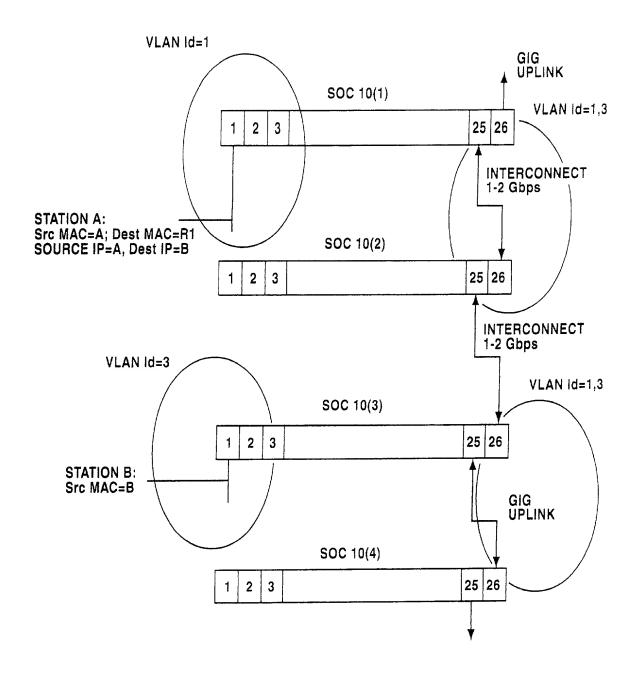


Fig.36

TRUNK GROUP TABLE FOR SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	25	25	25	25	Х	Χ	Х	Х	4

TRUNK GROUP TABLE FOR SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	25	25	25	25	X	X	Χ	Χ	4

TRUNK GROUP TABLE FOR SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	1	2	3	4	X	X	X	Х	4

TRUNK GROUP TABLE FOR SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	26	26	26	26	X	X	X	Χ	4

Fig.37

TRUNK GROUP TABLE FOR SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
_ 1	1	2	Χ	Χ	Χ	X	X	X	2
2	25	25	25	3	Χ	Χ	Χ	X	4

TRUNK GROUP TABLE FOR SW2:

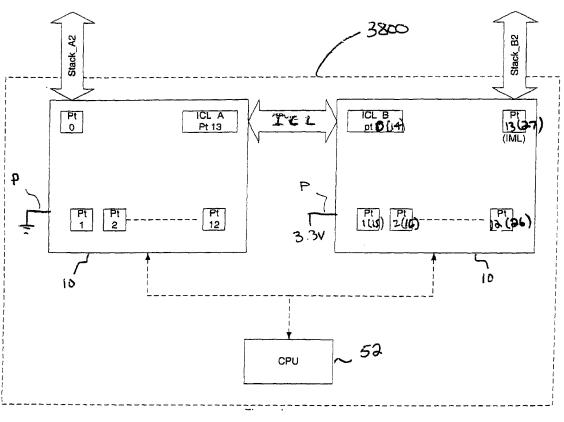
TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	Χ	Χ	Χ	Χ	Χ	Χ	2
2	25	1	2	26	Χ	X	Χ	Χ	4

TRUNK GROUP TABLE FOR SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	X	Χ	X	Χ	2
2	1	26	26	26	Χ	X	Х	Χ	4

TRUNK GROUP TABLE FOR SW4:

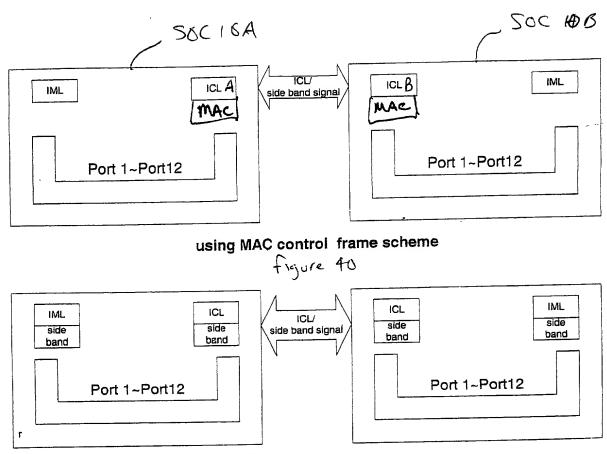
TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	X	X	Χ	Χ	2
2	26	26	26	26	X	X	Χ	Χ	4



Flgure 38

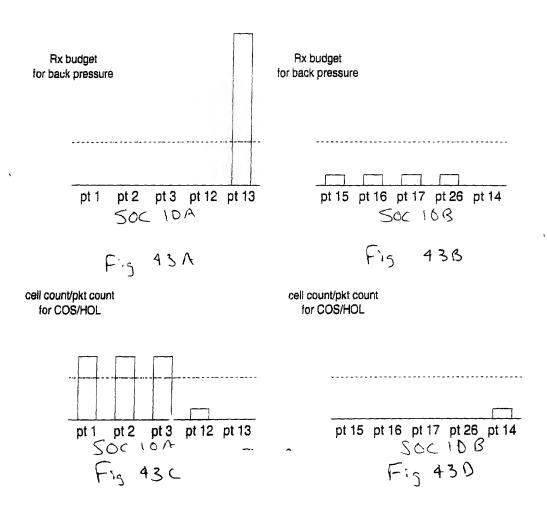
Sough						
30 28 26	24 22 20	18 16 14	12 10 8	6	4 2	0
Opcode	Dest Port	Src Port	Data Len	E	Eco Cos de	C
SRT		Port Bitm	nap			
		DATA				

Figure 39



using side band signal

figure 41



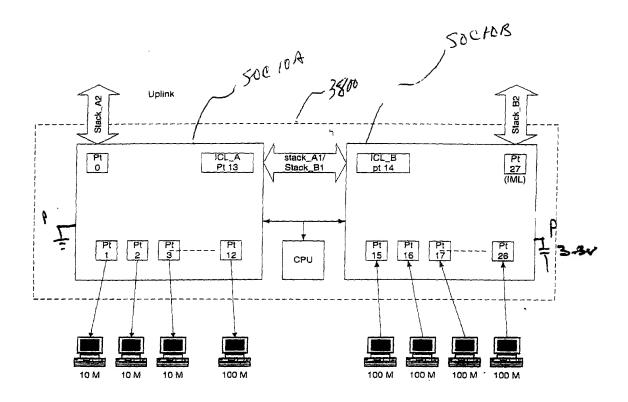
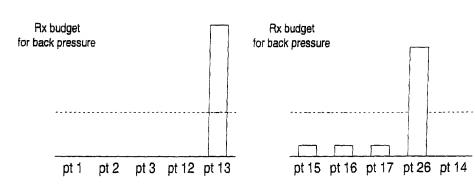


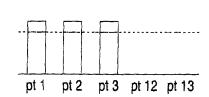
Figure 43



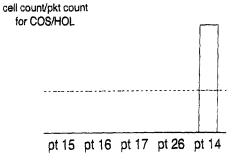
SOCIOA Figure 44a

SOCHOB Fogure 446

cell count/pkt count for COS/HOL



SOC IDA Figure 44e



SOCIOB Figure 44 d

